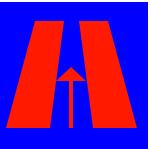


National High Blood Pressure Education Program

Working Group Report On High Blood Pressure In Pregnancy 2000 Update



Working Group on High Blood Pressure in Pregnancy



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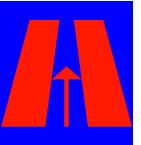
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National High Blood Pressure Education Program Coordinating Committee



Agency for Health Care Policy and Research

American Academy of Family Physicians

American Academy of Insurance Medicine

American Academy of Neurology

American Academy of Ophthalmology

American Academy of Physician Assistants

American Association of Occupational Health Nurses

American College of Cardiology

American College of Chest Physicians

American College of Occupational and Environmental Medicine

American College of Physicians-American Society of Internal Medicine

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American Dental Association

American Diabetes Association

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American Nurses Association, Inc.

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National Black Nurses' Association, Inc.

National Center for Health Statistics, Centers for Disease Control and

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National Kidney Foundation

National Medical Association

National Optometric Association

National Stroke Association

NHLBI Ad Hoc Committee on Minority

Populations

Society of Geriatric Cardiology

Society for Nutrition Education

U.S. Department of Veterans Affairs



Purpose of the Report



To use evidence-based medicine and consensus to provide guidance to clinicians on managing

- Women with hypertension who become pregnant
- Women who develop hypertensive disorders during gestation



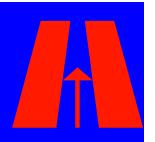
Classification



- Preeclampsia-eclampsia
- Chronic hypertension
- Preeclampsia superimposed upon chronic hypertension
- Gestational hypertension (only during pregnancy)
- Transient hypertension (only after pregnancy)



Classification (cont.)



Based on JNC VI definition for hypertension:

SBP ≥ 140 mm Hg

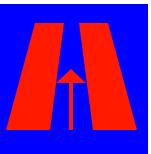
or

DBP > 90 mm Hg

K5 determines DBP.



Classification of Preeclampsia-Eclampsia

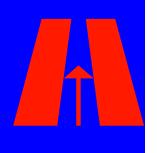


- Occurs after 20th week (earlier with trophoblastic disease)
- Increased BP (gestational BP elevation) with proteinuria

Proteinuria is defined as urinary excretion of 0.3 g protein or greater in a 24-hour specimen, with no evidence of urinary tract infection.



Classification of Preeclampsia-Eclampsia (cont.)

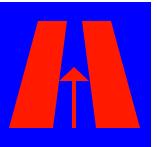


The following are more ominous signs and increase certainty of diagnosis:

- SBP ≥ 160 mm Hg or DBP ≥ 110 mm Hg
- Proteinuria > 2.0 g in 24 hours (2+ or 3+ dipstick)
- Increased serum creatinine
- Platelet count < 100,000 cells/mm³ and/or evidence of microangiopathic hemolytic anemia with increased LDH
- Elevated ALT or AST
- Persistent headache or other cerebral or visual disturbances
- Persistent epigastric pain



Classification of Chronic Hypertension



Defined as hypertension diagnosed

- Before pregnancy
- Before the 20th week of gestation
- During pregnancy and not resolved postpartum



Classification of Preeclampsia Superimposed Upon Chronic Hypertension



Hypertension and no proteinuria < 20 weeks: New-onset proteinuria

Hypertension and proteinuria < 20 weeks:

- Sudden increase in proteinuria
- Sudden increase in BP in women whose hypertension was well controlled
- Thrombocytopenia (platelet count <100,000 cells/mm³)
- Increase in ALT or AST to abnormal levels



Classification of Gestational Hypertension



Diagnosis of gestational hypertension:

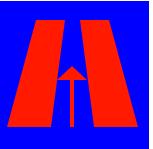
- Detected for first time after midpregnancy
- No proteinuria
- Only until a more specific diagnosis can be assigned postpartum

If preeclampsia does not develop and

- BP returns to normal by 12 weeks postpartum, diagnosis is transient hypertension.
- BP remains high postpartum, diagnosis is chronic hypertension.



Clinical Implications of Preeclampsia



- Preeclampsia ranges from mild to severe.
- Progression may be slow or rapid hours to days to weeks.

For clinical management, preeclampsia should be overdiagnosed to prevent maternal and perinatal morbidity and mortality – primarily through timing of delivery.